

NTAG 98 Work Plan

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Background

1997 NTAG Work Plan Concentration

- **Windows NT V4.0 Kernel Level Environment**
 - **Review and Comment on I&RTS Deficiencies**
 - **Establishment of Windows NT GOTS/COTS Compatible Development Infrastructure**
 - **Determination of Security Processes and Procedures for DII COE Windows NT v4.0 Platform**
 - **Identify and Evaluate COTS Products as Potential Candidates for the DII COE Segment Installer/De-installer for the NT Platform.**
 - **Started Development of Segmentation and Compliance Checking Process**

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Segmentation Tasks

- **Define, Build, and Test a DoD Installation Template to Control Use of InstallShield**
- **Identify Changes Required to the Current Segment Descriptor Files [SDF] Format Necessary to Incorporate Logo Program Specs and COTS Installation Requirements into the DII COE Windows NT Platform (e.g Template Creation).**
- **Develop a DII COE Windows NT Platform Compliance Check List Based on the Updated Guidance for the Development (Logo Program), Installation/De-installation, and Segmentation processes and requirements.**
- **Redefine the DII COE Certification Process for NT Segments Based Upon the Logo Program Specification.**

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-Documentation Tasks

- **Identify and Recommended Changes to**
 - Update Chapter 6 of the Integration and Run Time Specification (I&RTS) and Treatment of Windows NT Based on the Results of the Operating System Tasking.
 - I&RTS Checklist Based on the Mapping of Logo Program Requirements to Specific DII COE Compliance Levels.
 - Programming Guide to Windows NT 4.0.
 - Programmers Reference Guide for Windows NT 4.0.
 - Kernel Installation Guide for Windows NT 4.0.

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-Documentation Tasks [2]

- **Identify and Recommended Changes to Update the:**
 - Consolidated Installation Guide by Incorporating The Secure Windows NT installation and Configuration Guide.
 - Application Programming Interface (API) Reference Guide for Windows NT 4.0.
 - How to Segment Guide

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-Task Listing

- **Complete Interim Guidance to DII COE Windows NT Platform Community for DII COE Version 3.3**
- **Complete Segmentation of GOTS Security Utilities for NT 4.0**
- **Develop Automated Procedures to Build a Secure NT Kernel Configuration.**
- **Investigate, Identify and Provide Guidance on the Directory Structure for the Configuration Management of Software Delivered to DISA for the DII COE.**
- **Identify and Provide Guidance on**
 - Reserved Words under the DII COE Windows NT Platform.
 - Reserved File name extensions for NT applications

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-Task Listing

- **Develop Process for Securing the NT Environment after Loading Applications**
- **Evaluating the Impacts of New Security Model used by Microsoft Windows NT v5.0**
- **Development of Automated Procedures for an Enterprise Rollout**
 - Templates & Scripts
 - Commercial Disk Imaging Products
- **Provide Liason Support to other DII COE TWG**

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-Task Listing

- **Evaluation of NT Variants of the Common Operational Picture (COP) to include C2PC, JMCIS98, Elvis II, etc.**
- **Evaluate and Provide DII COE Engineering Office with Recommendations on the Proper Use and Employment of :**
 - Zero Administration Workstation (ZAW).
 - Video Streaming Technologies such as NetShow.
 - Collaboration and Sharing Technologies such as NetMeeting.
 - Multi-user Extensions such as Hydra, WinDD, etc"
 - Web Server technologies such as IIS
 - System Clustering Technologies such as Wolfpack

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-Task Listing

- **Evaluate and provide DII COE Engineering Office with recommendations on the proper use and employment of:**
 - Component Object Model (COM) , Distributed COM, and COM+ usage and bridging to CORBA based systems
 - Development Tool Kits like NutCracker
 - Windows NT 5.0 For Workstation, Server and Enterprise
 - Middle Tier Support Technologies such as
 - Transaction Server and
 - Message Queue
 - Real Time Systems Support in NT and Windows CE

Member Discussion Period

Task Definition & Assignment

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NTAG Task Teams/Sub Groups

General

- **Teams will consist of 1 to 5 NTAG members for short turn-around of high priority tasks**
- **Team Leader will work directly with the NTAG chairman**
- **Team member funding is “out of hide”**
- **Teams will report on research at a scheduled NTAG and if appropriate will take NTAG consensus to DII COE Engineering Office and/or AOG**

Identification of NTAG Task Teams/Sub Groups

Organizations

- DII AF
- ESC CCPL
- Rome Labs
- PMW-171
- MCTSSA
- TBMCS
- RCAS
- SSG

Contractors

- LMCCS
- SSI
- VeriTest
- Microsoft
- InstallShield
- DataFocus
- J.G. Van Dyke

Identification of NTAG Task Teams/Sub Groups

Assignments

- **NTAG Chair takes an action to make final coordination with organizations on task assignments.**
 - Initial Team membership and task assignments will be completed in two weeks
 - Team Memberships and Assignments will be posted on the NTAG web pages
- **Within one week of assignment team lead will finalize task schedule with the NTAG Chair**

NT Web Pages of Interest

- DISA NT Information
 - http://spider.osfl.disa.mil/dii/aog_twg/twg/ntsig/ntsig_page.html
- ESC DII AF NT
 - <http://www.esc-dii.hanscom.af.mil/afdiin/NT/nt.htm>
- Microsoft NT Information
 - NT Work Station (<http://www.microsoft.com/networkstation/>)
 - NT Server (<http://www.microsoft.com/ntserver/>)
 - NT Service Packs (<http://www.microsoft.com/networkstation/info/ntupdates.htm>)
 - NT 5.0 (<http://ntbeta.microsoft.com/>)
- Logo Program
 - <http://www.veritest.com/>

15 Jan 98 NTAG

Action Item Summary

- 9801-1 Investigate the need to register file name extension for NT segments
- 9801-2 Coordinate Security Utility Work Among NTAG member
- 9801-3 Complete NTAG Sub Group Team makeup and task assignments by 30 Jan 98
- 9801-4 Collect requirements from NTAG members on NT in Standalone configuration
- 9801-5 Work with DII COE Office to get clarification on COE 4.0 Plans
 - **single source code base**
 - **define laws of physics for COE and NT**